

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-245400

(43)Date of publication of application : 14.09.1998

(51)Int.Cl. C07K 14/705
A61K 38/00
G01N 33/53
G01N 33/531
// A61K 35/16

(21)Application number : 09-062516

(71)Applicant : EIKEN CHEM CO LTD

(22)Date of filing : 28.02.1997

(72)Inventor : YASUNAKA TOSHIMITSU
TOIKAWA AKIHISA

(54) STABILIZATION OF TRANSFERRIN RECEPTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To stabilize a transferrin receptor (TfR) used for a reagent for measuring the TfR in blood, which is an indicator of a cancer, a hematopoietic system, etc., by adding an albumin and saccharides to the TfR, a transferrin-TfR complex, etc.

SOLUTION: The objective transferrin receptor (TfR) used as a standard material, etc., for immunological analysis of the TfR in blood which is an indicator of a cancer, a hematopoietic system, etc., is stabilized so that reliability as the standard material may be improved by preventing the decrease of a measured value of the TfR accompanied by refrigeration and defrost, by formulating TfR or a transferrin-TfR complex (TRC) with an albumin such as bovine serum albumin, and saccharides such as sucrose, fructose, lactose, maltose and trehalose, forming the formulated materials into a liquid by adding a physiological saline or a buffer thereto, regulating the pH of the solution so as to be 6-9, and further, regulating the concentration of the albumin so as to be 0.5-30% W/V.